

**METHOD AND APPARATUS TO IDENTIFY A REMOTE
COMMUNICATION APPARATUS AND ENHANCE COMMUNICATION
PERFORMANCE BASED ON THE IDENTIFICATION**

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5 ABSTRACT OF THE DISCLOSURE

A type or brand of remote communication device is identified by measuring one or more characteristics associated with one or more signals sent by the remote communication device. The measured characteristics differ among different devices and/or manufacturers and are compared to known characteristics of one or more

10 signals associated with known communication devices. Once the remote communication device is identified, the local communication device can enable one or more performance enhancing or deficiency compensation features based on the identity of the remote communication device.